ABSTRACT OF THE DISCLOSURE

A data reception method, an apparatus implementing such a method, and a data transmission system are disclosed, in which appropriate evaluation levels for signal levels are set during initialization of data communications using small circuitry. A comparator 574 compares a difference value dd against its corresponding model value. If the difference value dd is greater than the model value, the comparator 574 updates one of registers 576a to 576n which is currently selected, by adding a predetermined numeric value to the model value. If the difference value dd is smaller than the model value, the comparator 574 updates one of the registers 576a to 576n which is currently selected, by subtracting a predetermined numeric value from the model value. An evaluation level value arithmetic circuit 572 calculates evaluation levels R1 to R13 using model values set in the registers 576a to 576n, and stores the evaluation levels R1 to R13 respectively to registers 577a to 577m of an evaluation level storage section 573.